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(54) **Asymmetrical Mannich base derivatives, and the production and uses thereof**

(57) A Mannich base which is a compound in which a polyamine moiety is linked to a phenolic moiety by a Mannich base linkage involving one of the amino groups of the polyamine moiety, and in which an aminoalkylene-poly(oxyalkylene)moiety is linked to said phenolic moiety by a Mannich base linkage involving an amino group

of the alkylene-poly(oxyalkylene) moiety. The compounds, which can be prepared in high yield by relatively simple processing from readily available starting materials, are useful as additives for distillate fuels and lubricants eg. as detergent/dispersants or oscillation inhibitors.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 96 30 3582

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	EP-A-0 068 263 (HOECHST) * claim 2 *	1-6,10, 15-19,22	C10M159/16 C10L1/22 C08G14/06 C07C215/50
Y	WO-A-84 00551 (CUMMINGS) * claim 5 *	1-6,10, 15-19,22	C07C275/10 C08G73/00
Y	US-A-5 098 986 (SPERANZA ET AL.) * the whole document *	1-6,10, 15-19,22	
A	US-A-5 387 266 (LOPER) * the whole document *	1-29	
A	EP-A-0 517 356 (I.C.I.) * claims 1-15 *	1,23-29	
A	EP-A-0 410 577 (PETROLITE) * the whole document *	1-29	
A	US-A-3 127 251 (DE GROOTE ET AL.) * column 1 - column 12; tables 2,4,10,12 *	1-29	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	EP-A-0 182 940 (MOBIL OIL) * page 3 *	1,23-29	C07C C08G C10L C10M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 October 1996	Examiner De La Morinerie, B
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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